

ASSESSMENT GUIDELINES

Unit 2774

Climb and branch walk difficult trees

Level 4, Credit 10, version 4

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Unit standard 2774

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Level of performance required for this unit standard

This is a level 4 unit standard. At this level trainees are expected to demonstrate the following abilities when completing assessment tasks:

- To work under broad guidance, independently; with complete responsibility for the standards of the outcome achieved.
- To apply technical skills, knowledge, and innovation to complete the task to the specified standard, in a variety of familiar and unfamiliar contexts.
- To analyse and interpret information, and make an informed judgment.

Workplace assessment:

For guidelines on Workplace Assessment, please refer to the NZHITO Workplace Assessors Manual, and for further information, please contact: NZHITO, PO Box 8638, Christchurch. Ph 03 9644 735, fax 03 9644 737, website www.hortito.org.nz

Entry information:

Prerequisite: Unit 2767, *Climb a well branched tree* or demonstrate equivalent knowledge and skills.

Special notes:

1. Relevant reference material. The *Codes of Practice* are Code of Practice for Safety and Health in Tree Work, Part One: Arboriculture; Part Two: Maintenance of trees around power- lines; and Guide for Safety with Underground Services; and are available from regional offices of the Department of Labour, Occupational Safety and Health Service. The *Standards* are British Standard for Treeworks: BS 3998: 1989 and amendment 6549: 1990- available from Standards New Zealand, Private Bag 2439, Wellington; and American National Standard for Tree Care Operations- Pruning, Trimming, Repairing, Maintaining, and Removing Trees, and Cutting Brush- Safety Requirements – ANSI Z133. 1- 1994 is available from American National Standards Institute, 11 West 42nd Street, New York, New York 10036, or website <http://www.ansi.org>.
2. Legislation relevant to this unit standard includes the Health and Safety Employment Act 1992, Health and Safety in Employment Regulations 1995 and their subsequent amendments.
3. *Workplace procedures* is a written plan detailing how the company will meet the requirements of the Health and Safety legislation.

Unit 2774: Climb and branch walk difficult trees (Apprentice copy)

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Use spurs and strops, harness, climbing line and lanyard to ascend and descend clear bole trees. Range: trees to be removed, aerial rescue situations.	Yes/No	<ul style="list-style-type: none"> ▪ Assess suitability of tree for climbing with spurs so unsuitable trees are not attempted with this method. ▪ Select spurs and maintain and use according to the Codes of Practice, manufacturer's recommendations and workplace procedures. ▪ Use equipment to ascend and descend a clear bole of at least 10 metres according to the Codes of Practice, manufacturer's recommendations and workplace procedures.
Element 2 Climb in to clear bole trees using climbing lines and harness.	Yes/No	<ul style="list-style-type: none"> ▪ Ensure the path chosen is the safest and most suitable for a single line ascent. ▪ Place climbing lines into clear bole trees and over a suitable branch ready to commence the climb. ▪ Use climbing lines, lanyard and harness to ascend clear boled trees according to Codes of Practice and workplace procedures. ▪ Select a secure anchor point and use it to descend according to the Codes of Practice and workplace procedures.
Element 3 Climb difficult trunks. Range: to include-heavily branched, curved and damaged trunks.	Yes/No	<ul style="list-style-type: none"> ▪ Ensure the path chosen is the safest and most suitable. ▪ Climb curved and damaged trunks over 10 metres above the ground according to the Codes of Practice and workplace procedures. ▪ Maintain communications with the ground person at all times according to the Codes of Practice and workplace procedures.
Element 4 Fix climbing lines for branch walking.	Yes/No	<ul style="list-style-type: none"> ▪ Select roping points which provide safe, unobstructed rope movements according to the Codes of Practice and workplace procedures. ▪ Fix climbing lines into selected roping points according to the Codes of Practice and workplace procedures. Range: utilizing natural or artificial re-direct point, double tie in system.
Element 5 Branch walk.	Yes/No	<ul style="list-style-type: none"> ▪ Ensure branches with obstacles and over 10 metres from the ground are branch walked according to the Codes of Practice and workplace procedures. ▪ Identify and use secondary roping or re-direction points so that suitable anchors can be created within the tree for safe working positions according to the Codes of Practice and workplace procedures.
Element 6 Undertake an aerial rescue. Range: two and three person rescue systems at above 15 metres.	Yes/No	<ul style="list-style-type: none"> ▪ Prepare aerial rescue system so someone can be safely rescued from a tree according to workplace procedures. ▪ Operate the aerial rescue system so someone can be safely lowered from the tree to the ground according to workplace procedures and the Codes of Practice. ▪ Identify and describe rescue scenarios according to the Codes of Practice and workplace procedures. Range: electrical, fall, conscious or unconscious victim, bleeding or non- bleeding victim.

(Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 2774 (version 4)

Signed (Assessor): _____

WPA Registration Number: _____ Date: _____

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(Assessment copy)**

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Element 1 Use spurs and strops, harness, climbing line and lanyard to ascend and descend clear bole trees. Range: trees to be removed, aerial rescue situations.	Yes/No	<ul style="list-style-type: none"> ▪ Assess suitability of tree for climbing with spurs so unsuitable trees are not attempted with this method. ▪ Select spurs and maintain and use according to the Codes of Practice, manufacturer's recommendations and workplace procedures. ▪ Use equipment to ascend and descend a clear bole of at least 10 metres according to the Codes of Practice, manufacturer's recommendations and workplace procedures.
Element 2 Climb in to clear bole trees using climbing lines and harness.	Yes/No	<ul style="list-style-type: none"> ▪ Ensure the path chosen is the safest and most suitable for a single line ascent. ▪ Place climbing lines into clear bole trees and over a suitable branch ready to commence the climb. ▪ Use climbing lines, lanyard and harness to ascend clear boled trees according to Codes of Practice and workplace procedures. ▪ Select a secure anchor point and use it to descend according to the Codes of Practice and workplace procedures.
Element 3 Climb difficult trunks. Range: to include heavily branched, curved and damaged trunks.	Yes/No	<ul style="list-style-type: none"> ▪ Ensure the path chosen is the safest and most suitable. ▪ Climb curved and damaged trunks over 10 metres above the ground according to the Codes of Practice and workplace procedures. ▪ Maintain communications with the ground person at all times according to the Codes of Practice and workplace procedures.
Element 4 Fix climbing lines for branch walking.	Yes/No	<ul style="list-style-type: none"> ▪ Select roping points which provide safe, unobstructed rope movements according to the Codes of Practice and workplace procedures. ▪ Fix climbing lines into selected roping points according to the Codes of Practice and workplace procedures. Range: utilizing natural or artificial re-direct point, double tie in system.
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Element 6 Undertake an aerial rescue. Range: two and three person rescue systems at above 15 metres.	Yes/No	<ul style="list-style-type: none"> ▪ Prepare aerial rescue system so someone can be safely rescued from a tree according to workplace procedures. ▪ Operate the aerial rescue system so someone can be safely lowered from the tree to the ground according to workplace procedures and the Codes of Practice. ▪ Identify and describe rescue scenarios according to the Codes of Practice and workplace procedures. Range: electrical, fall, conscious or unconscious victim, bleeding or non-bleeding victim.

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